



# Missouri Department of Natural Resources

## Incident Summary Report

Fiscal Year 2007



## Environmental Emergency Response

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# **Environmental Emergency Response Incident Summary Report Fiscal Year 2007**



The Fiscal Year 2007 Environmental Emergency Response (EER) Incident Summary Report was generated using data taken by the EER Duty Officers that receive information from the department's 24-hour emergency spill notification telephone line (573-634-2436). This information is entered into the Missouri Environmental Emergency Response Tracking System (MEERTS II) database, which may be viewed on-line at <http://www.dnr.mo.gov/meerts/index>.

Following is the number of incidents reported to the 24-hour emergency spill notification telephone line.

Regional Office	KCRO	SLRO	SWRO	NERO	SERO	Total
<b>Total Incidents*</b>	<b>417</b>	<b>376</b>	<b>374</b>	<b>222</b>	<b>245</b>	<b>1634</b>

\* Excludes Drug Lab Reports

The following information is contained in the Fiscal Year 2007 Environmental Emergency Response (EER) Incident Summary Report:

- Incident Report Information in the form of bar graphs, maps and pie charts
- Cost Recovery Information in the form of a bar graph
- On-Scene Responses in the form of pictures, location and brief information
- Incident Category Information in the form of materials, incident cause and property use

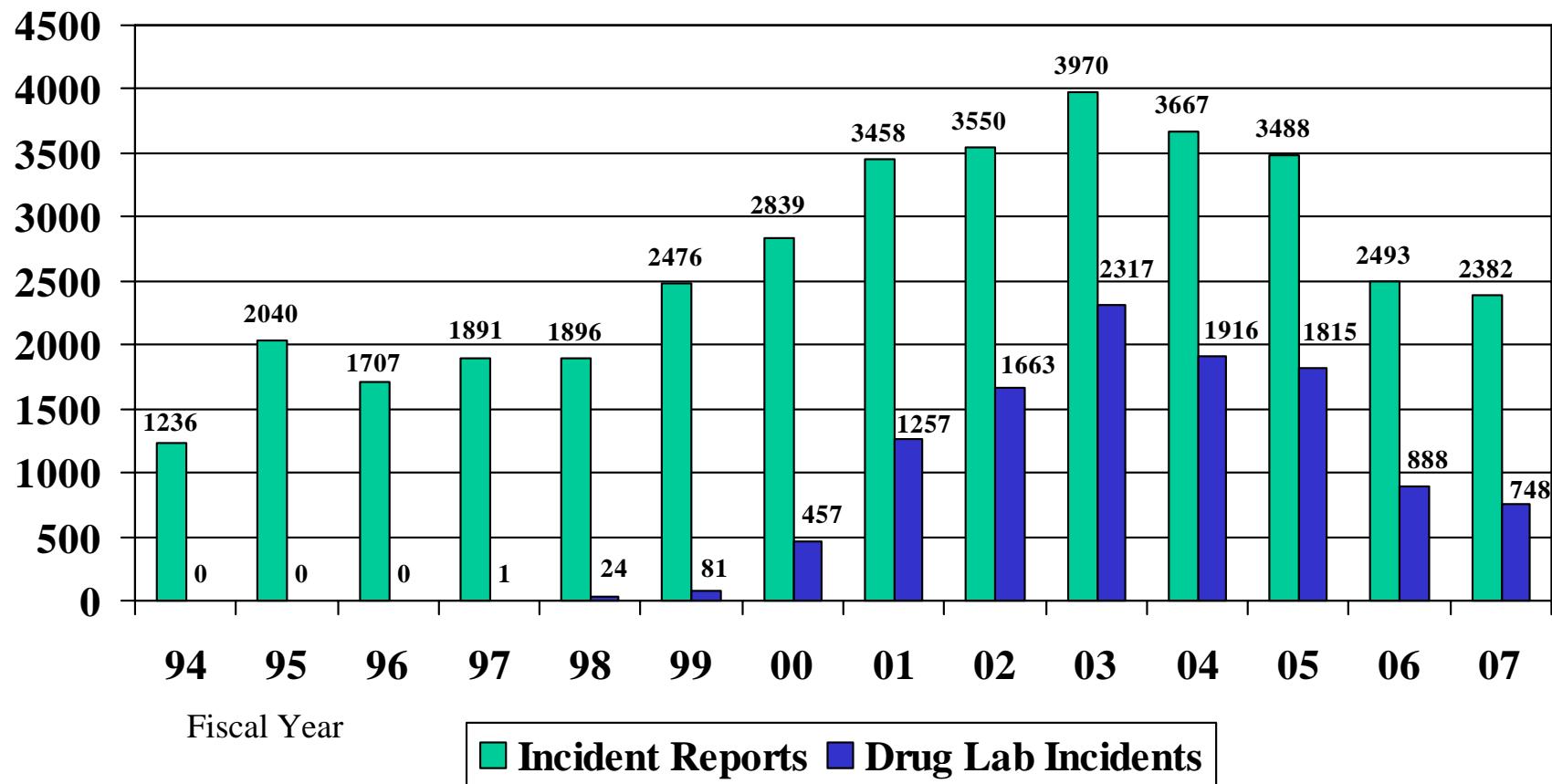
# Incident Report Information



Environmental Emergency Response



# Incident Reports/Drug Lab Reports

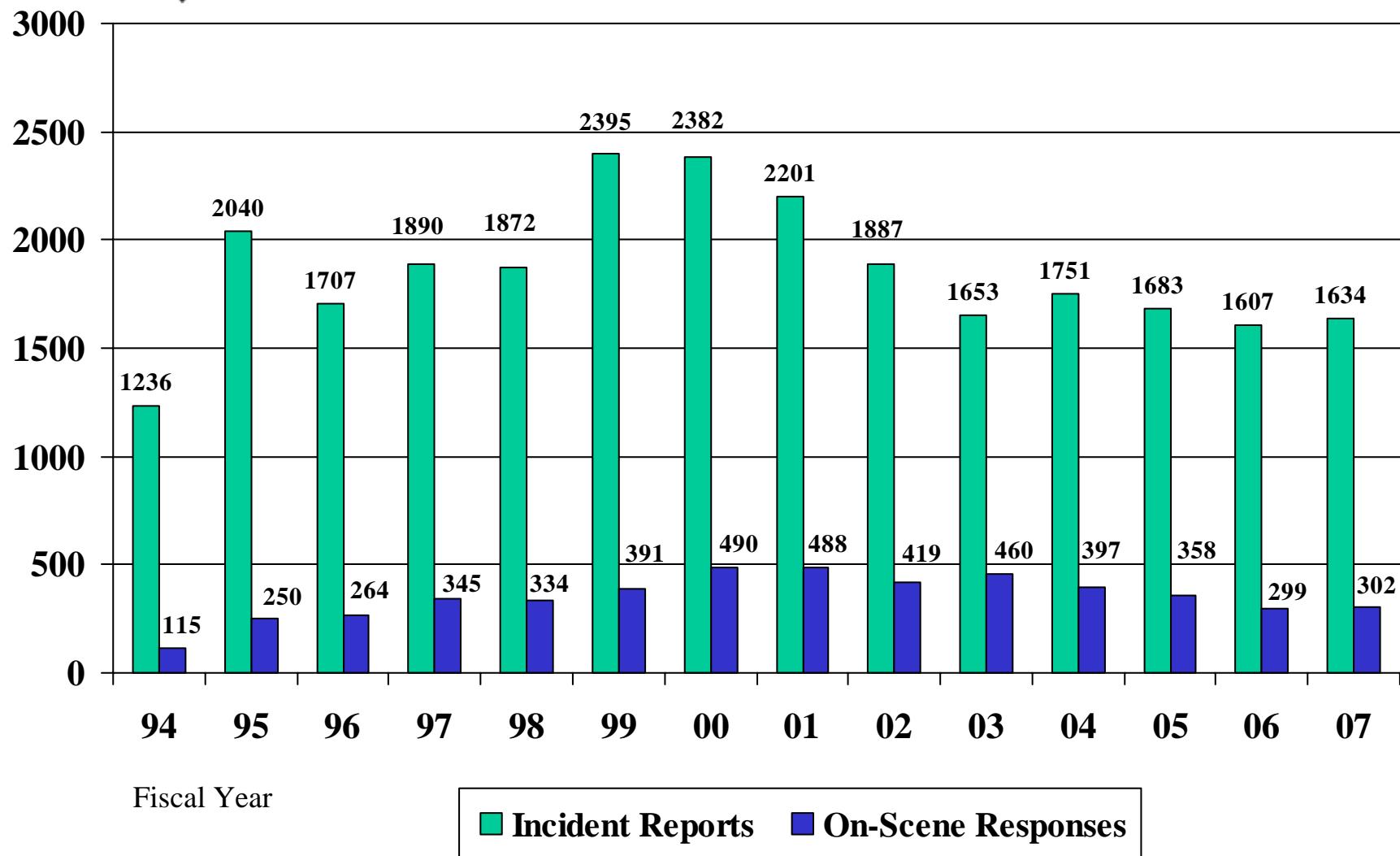


Note: 1997 – 2007 incident reports include drug lab incidents.

The reduction in drug lab incidents is a result of Senate Bills 10 and 27) restricting access to cold medicine containing pseudoephedrine.

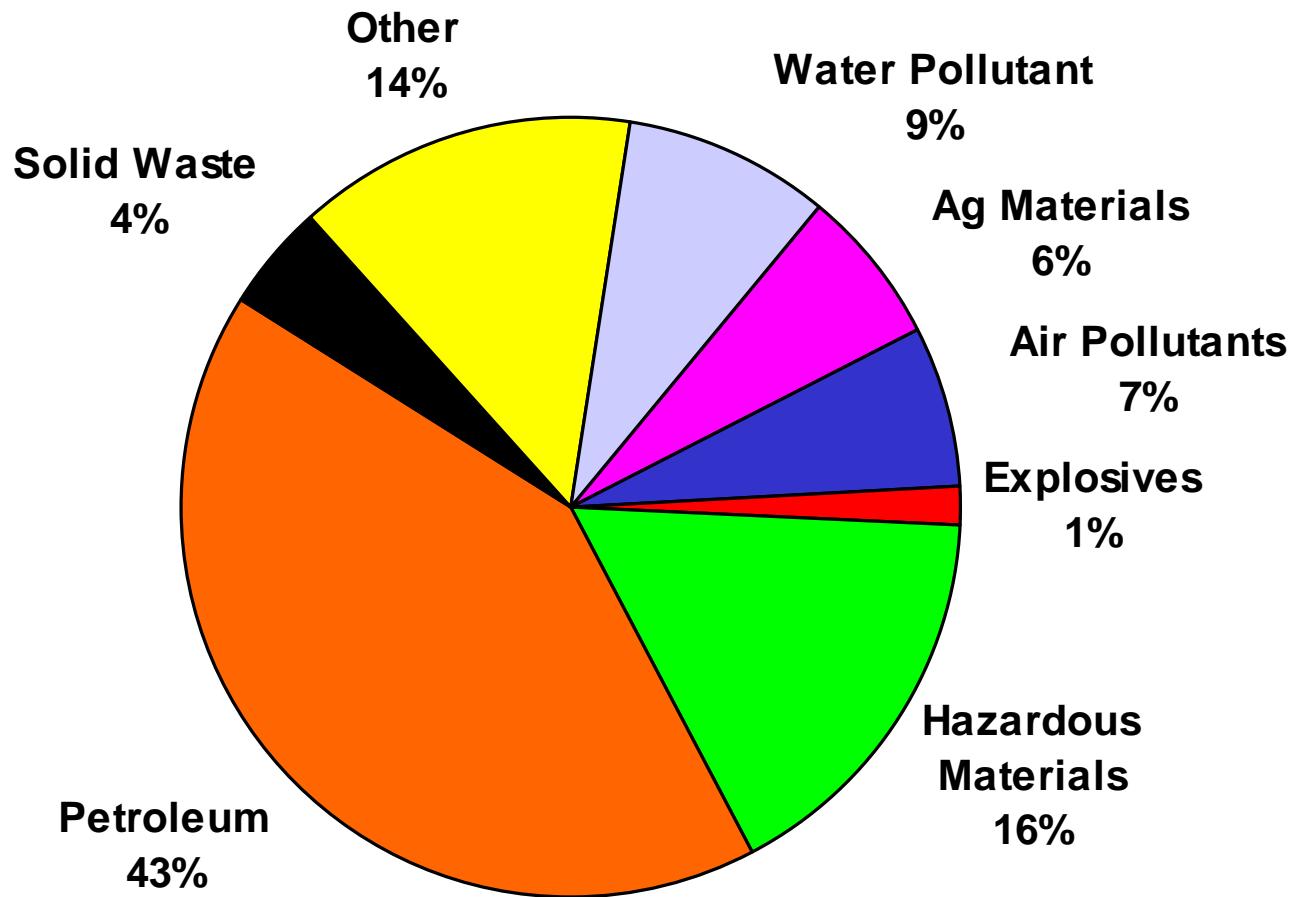


# Incident Reports/On-Scene Responses





# Materials Released

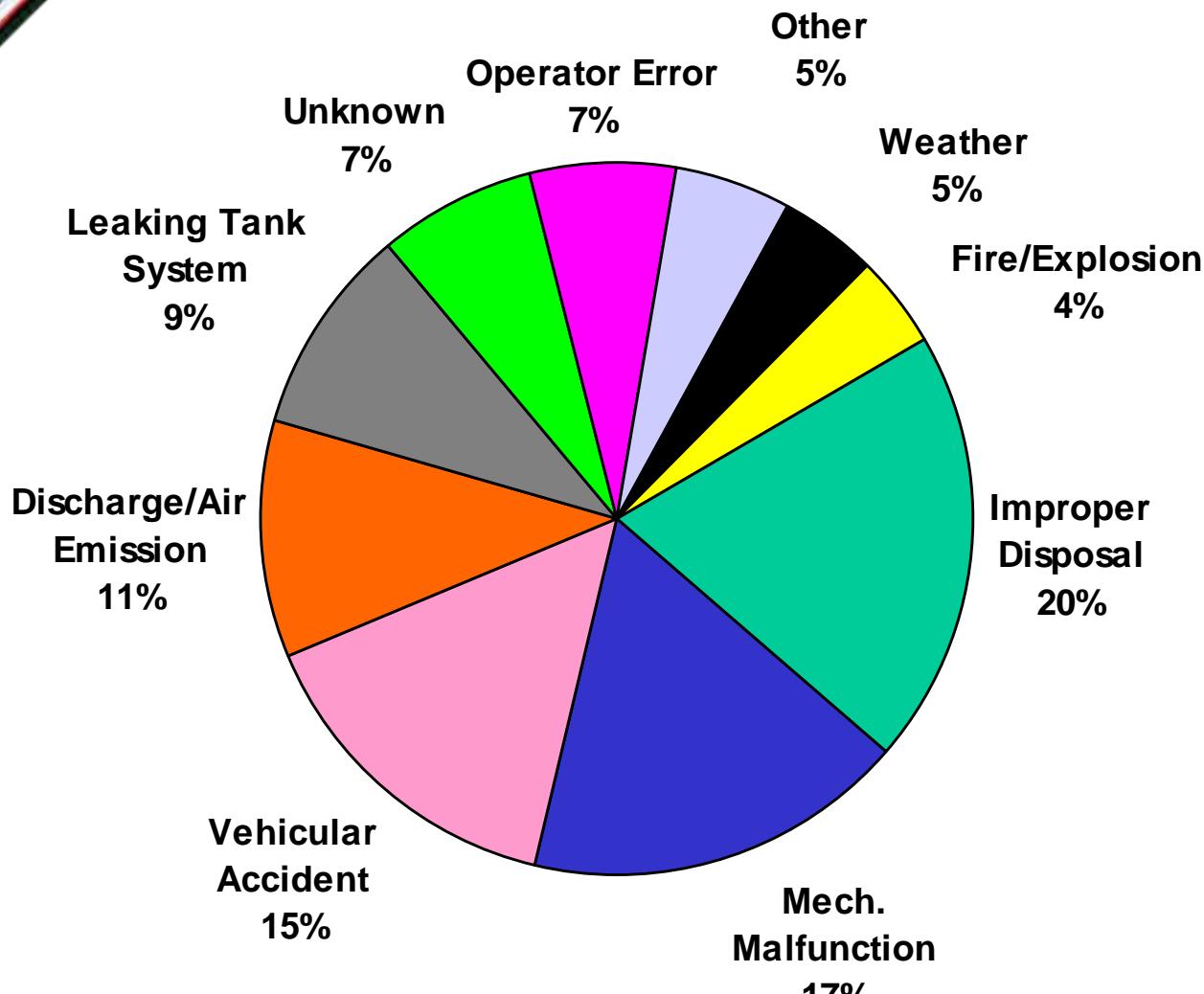


Note: Excludes drug lab incidents.

See Materials for types of materials released in each category noted on the pie chart.



# Incident Causes



Note: Excludes drug lab incidents.

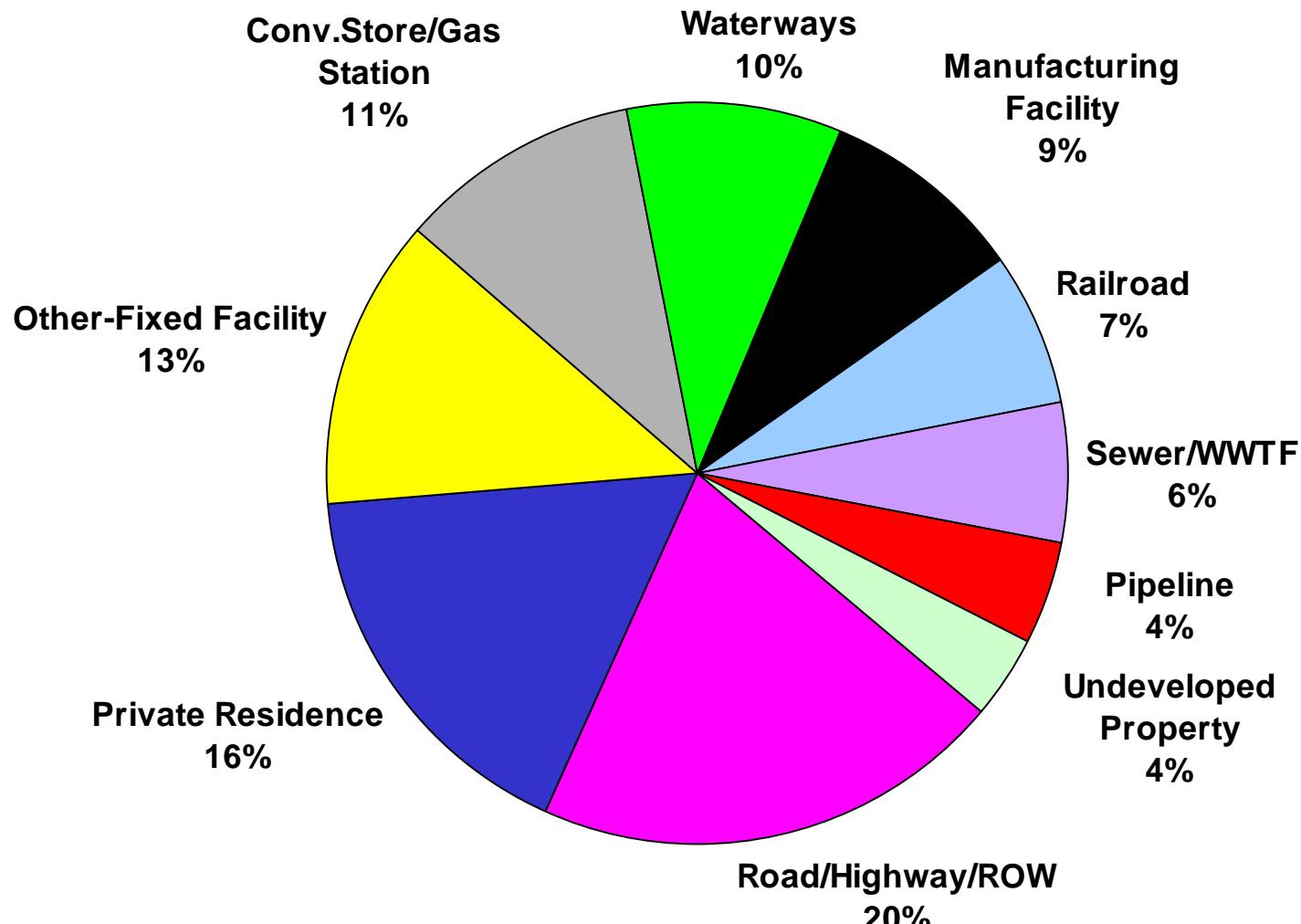
"Unknown" includes incidents inconclusive information that does not fit into a specific cause (e.g. discoloration in a waterway).

"Other" includes a variety of causes (e.g. household hazardous waste).

See Incident Cause for causes of materials released in each category noted on the pie chart.



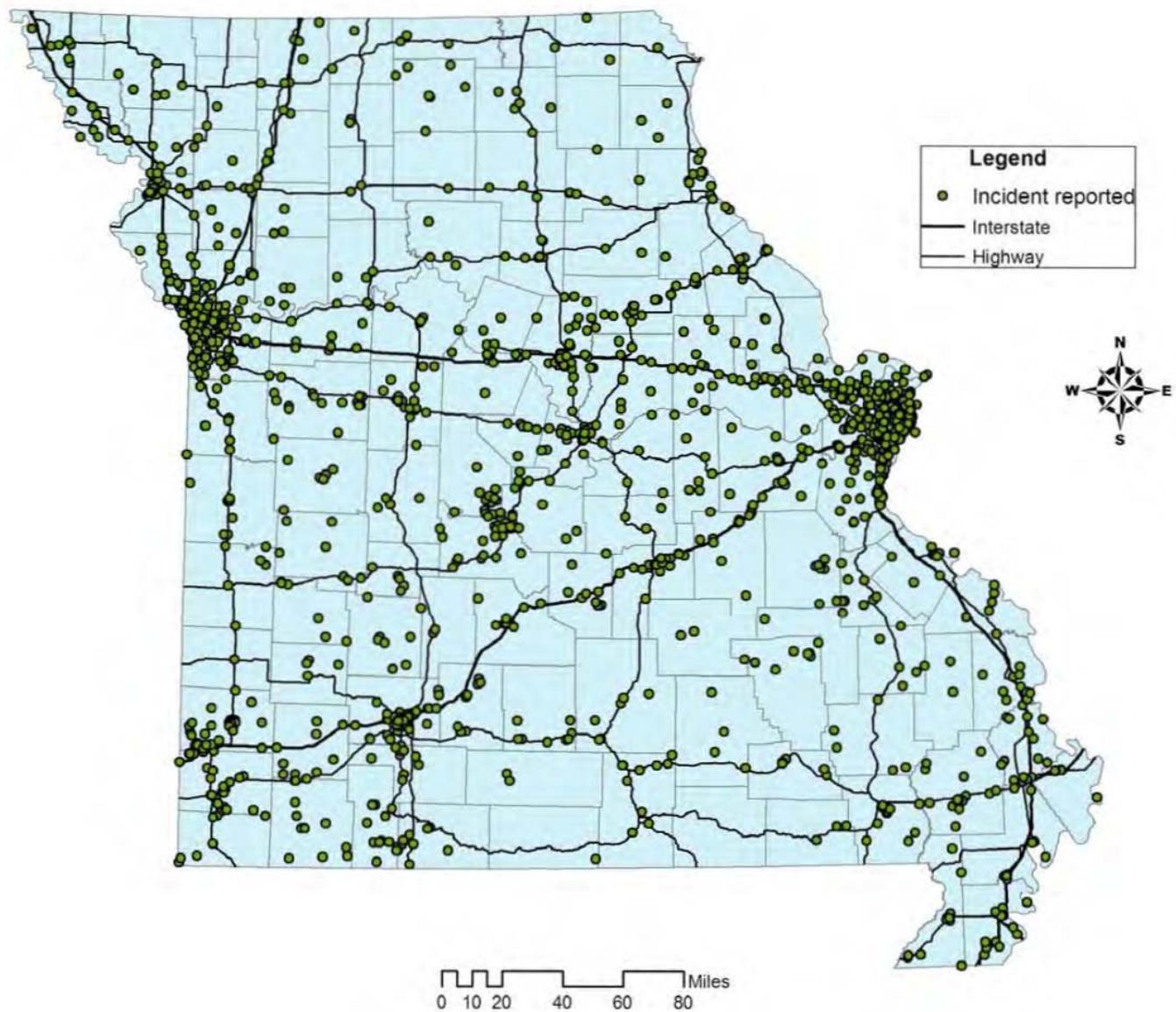
# Property Use/Location of Releases



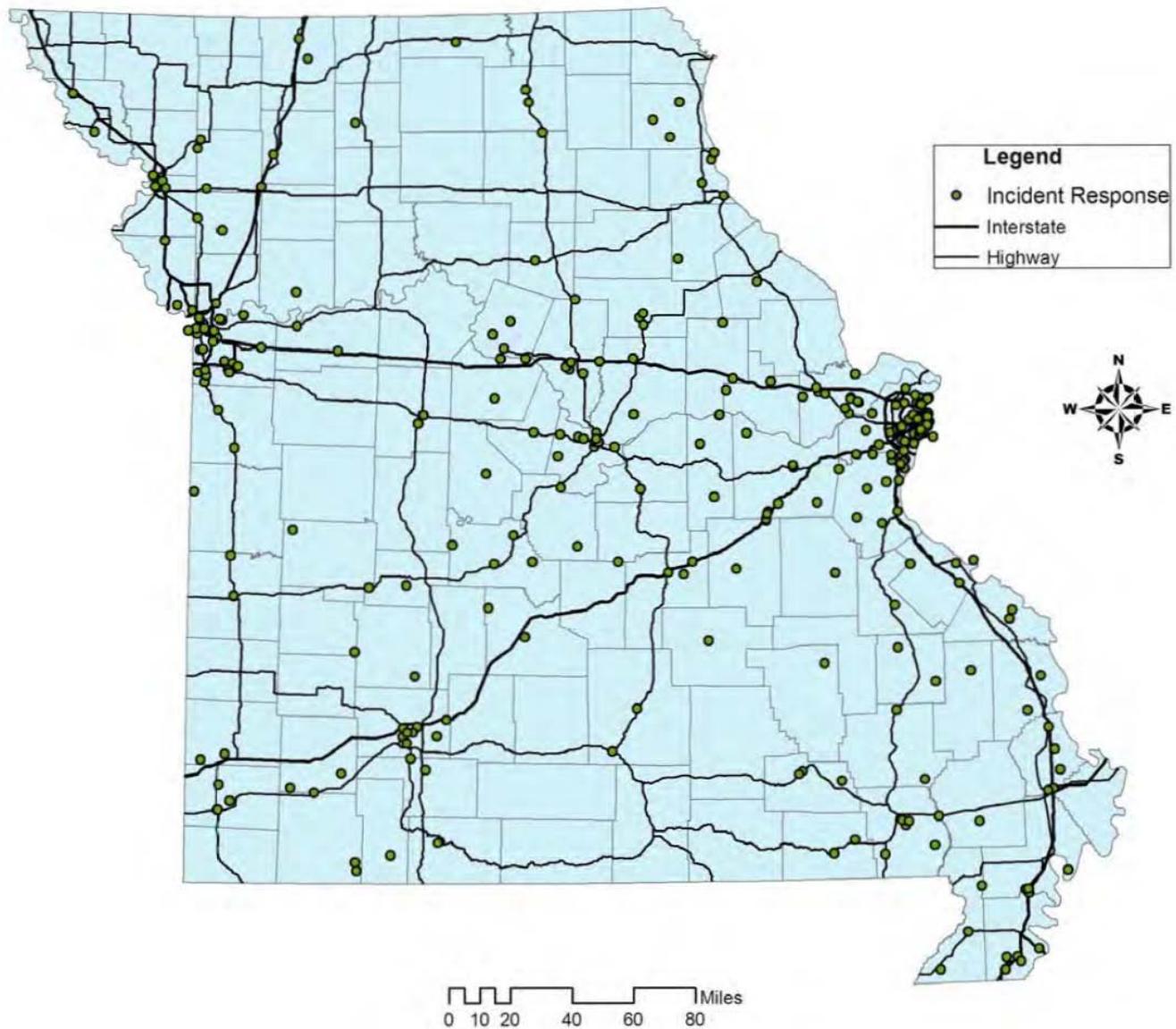
Note: Excludes drug lab incidents.

See Property Use for types of locations where materials were released in each category noted on the pie chart.

# FY '07 EER Incidents Reported

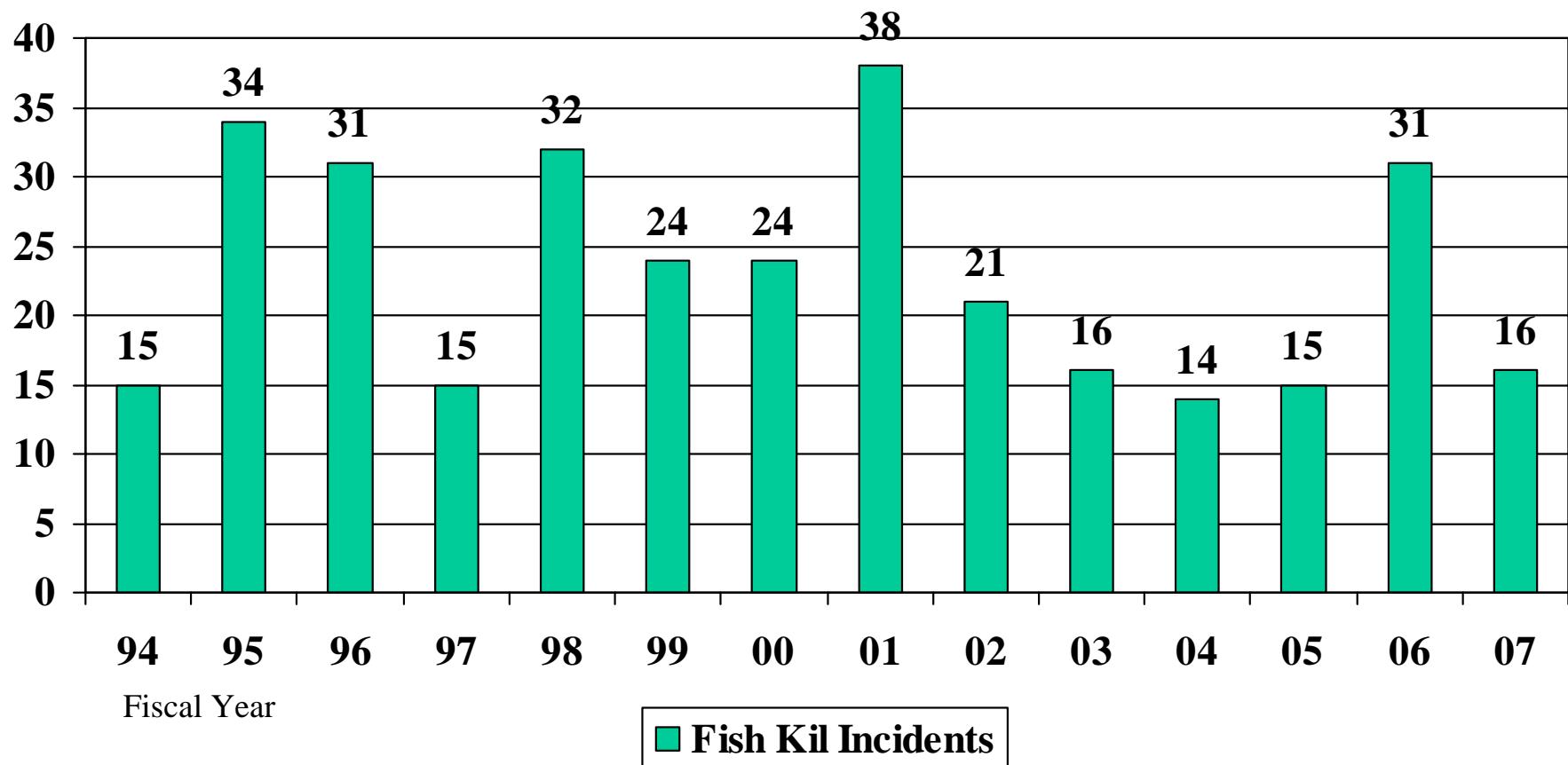


# FY '07 EER Incidents On Site Responses



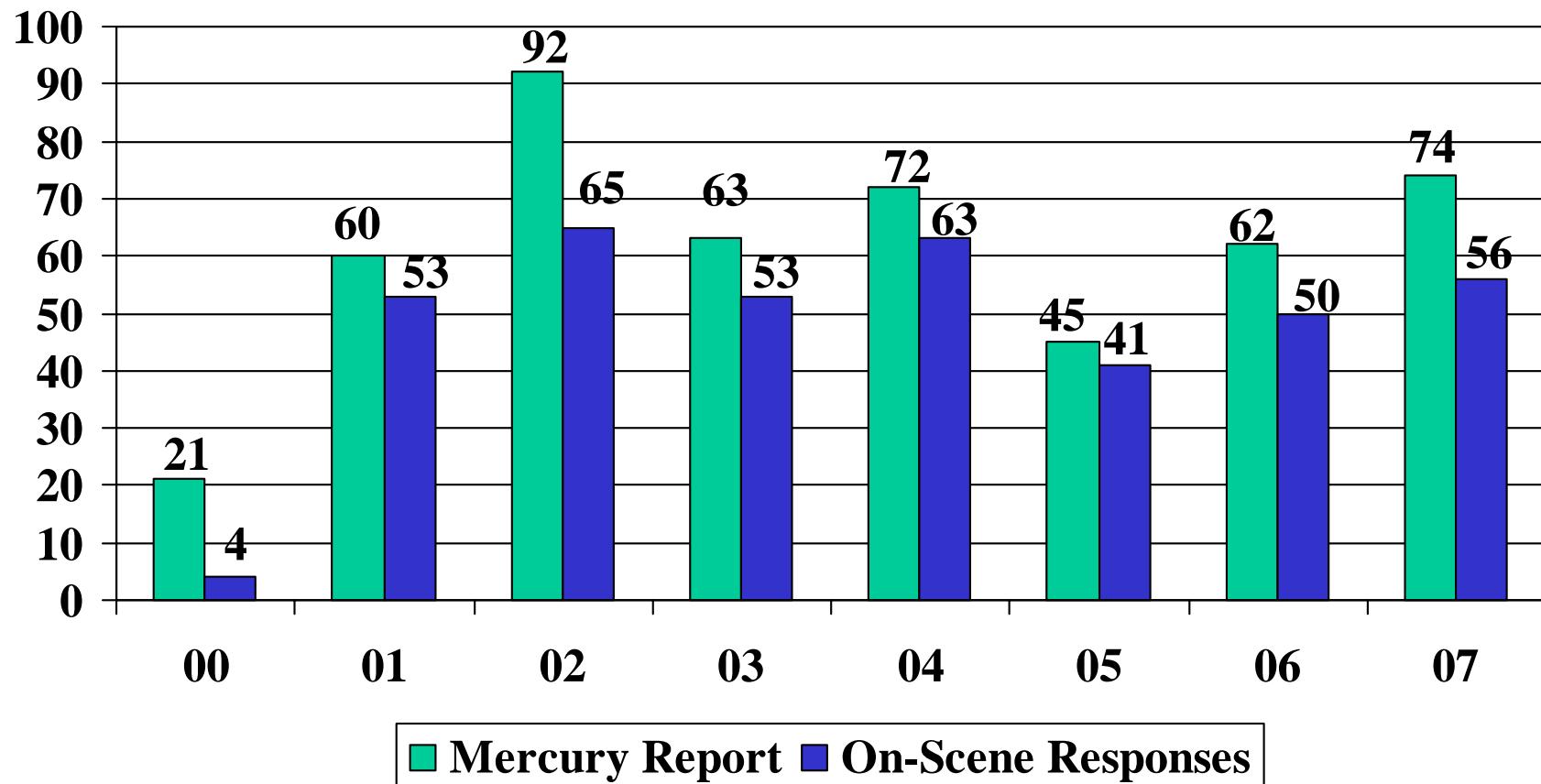


# Fish Kill Incidents





# Mercury Reports/On-Scene Responses



Note: The majority of mercury reports include releases from broken thermostat switches, broken household and lab thermometers, and requests from private citizens to recycle elemental mercury.

On-Scene responses include air monitoring, small quantity cleanups, and collection of elemental mercury and mercury containing devices for recycling.

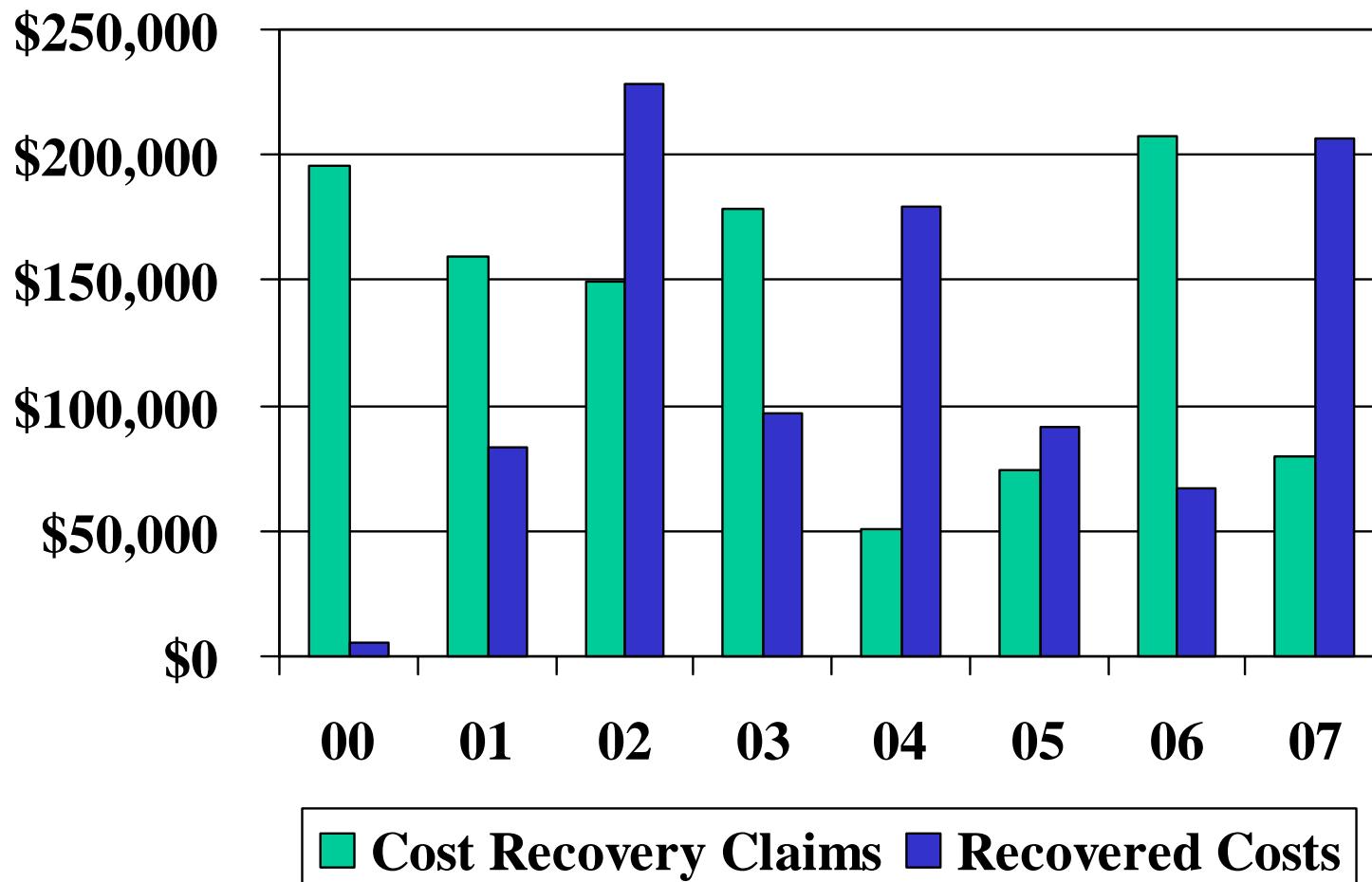
# Cost Recovery Information



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# Cost Recovery Claims versus Recovered Costs



The claim amount for FY '07 is \$79,444.16. The recovered amount for FY '07 is \$206,918.37. A receivable billed in FY '06 was received in FY '07 (Oil Pollution Act Fund Claim) for \$118,411.74.

# On-Scene Responses



## Environmental Emergency Response



**Lewis County**  
**Propane leak from a storage tank**  
**Lewistown evacuated for several days**





**Camden County**  
**Gasoline leaks from hundreds of boats after a severe ice storm**  
**collapses docks at Lake of the Ozarks**



**Laclede County**  
**Hazardous materials are involved in a fire that caused  
extensive damage at a manufacturing facility in Lebanon**





**Jackson County**  
**Petroleum products and other chemicals were involved in a  
large fire at bulk chemical facility in Kansas City**





## Cape Girardeau County

A tractor tanker laden with diesel fuel erupts in flames after an accident on I-55 in Cape Girardeau





**St. Louis County**  
**Diesel fuel impacts a waterway after a tractor trailer**  
**crashes on Highway 40 in Lake St. Louis**

# Incident Category Information



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## MATERIAL

(Excludes Drug Lab Reports)

<u>Material</u>	<u>Number of Reports</u>
Agriculture (e.g. pesticide, animal waste, processed oil, foodstuff, anhydrous ammonia, animal feed, etc.)	106
Air Pollutant (e.g. asbestos, freon, chlorine, odor, smoke, etc.)	117
Clandestine Drug Lab	748
Explosives	24
Homeland Security	1
Petroleum/Oil (e.g. natural gas, coal, fuel oil, diesel fuel, jet fuel, gasoline, etc.)	707
Hazardous Materials (e.g. corrosive, mercury, ethylene glycol, solvents, paint, radiological, school lab chemicals, RCRA waste, etc.)	279
Solid Waste (e.g. shingles, rubbish, medical waste, waste tires, etc.)	73
Undetermined/Other (e.g. unknown, fire water runoff, etc.)	240
Water Pollutant (e.g. sewage, algae bloom, silt, dye trace, non-CAFO runoff, etc.)	145



## INCIDENT CAUSE

<b><u>Incident Cause</u></b>	<b><u>Number of Reports</u></b>
Aircraft Accident	2
Blockage/Bypass	52
Confiscated Drug Lab Material	748
Discharge/Air Emission	155
Earthquake	0
Fire/Explosion	58
Homeland Security Threat	15
Improper Disposal	275
Intentional Act/Vandalism	25
Leaking Tank System	132
Mechanical Malfunction/Failure	245
Mercury Pickup	52
Operator Error	96
Ordnance Destroyed	21
Other	73
Pipeline Release	3
Railroad Accident	39
School Lab Chemicals	9
Seepage/Leachate	6
Unknown/Undetermined	100
Vehicular Accident	208
Watercraft Accident	5
Weather Related	64



## PROPERTY USE

(Excludes Drug Lab Reports)

<b><u>Property Use</u></b>	<b><u>Number of Reports</u></b>
Abandoned Property	6
Agricultural Facility (Non CAFO)	27
Aircraft/Airport	12
Bulk Chemical Facility	6
Bulk Petroleum Facility	13
Concentrated Animal Feeding Operation	22
Convenience Store/Gas Station	142
Distribution Facility (e.g. warehouse)	20
Educational Facility	48
Health Care Facility	7
Manufacturing Facility	119
Military Facility	17
Mining Facility	7
Other - Fixed Facility	169
Pipeline/Pump Station	60
Power Plant	8
Private Residence	225
Public Property (e.g. National Forest, State Park)	38
Railroad/Railyard	89
Retail Facility (e.g. retail store, <u>not</u> a gas station)	25
Road/Highway/ROW	276
Salvage/Junk Yard	9
Sewer/Wastewater Treatment Facility	79
Solid Waste Facility	3
Transformer/Substation	10
Undeveloped Property (privately-owned non-farm open land)	49
Water Line/Water Treatment Plant	17
Water/Waterway/Marina	128
Dry Cleaners	3